

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060519\
 Data File : BM020755.D
 Acq On : 06 Jun 2019 02:30
 Operator : HP/JU
 Sample : K3183-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-3

Quant Time: Jun 06 03:56:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 31 15:48:49 2019
 Response via : Initial Calibration

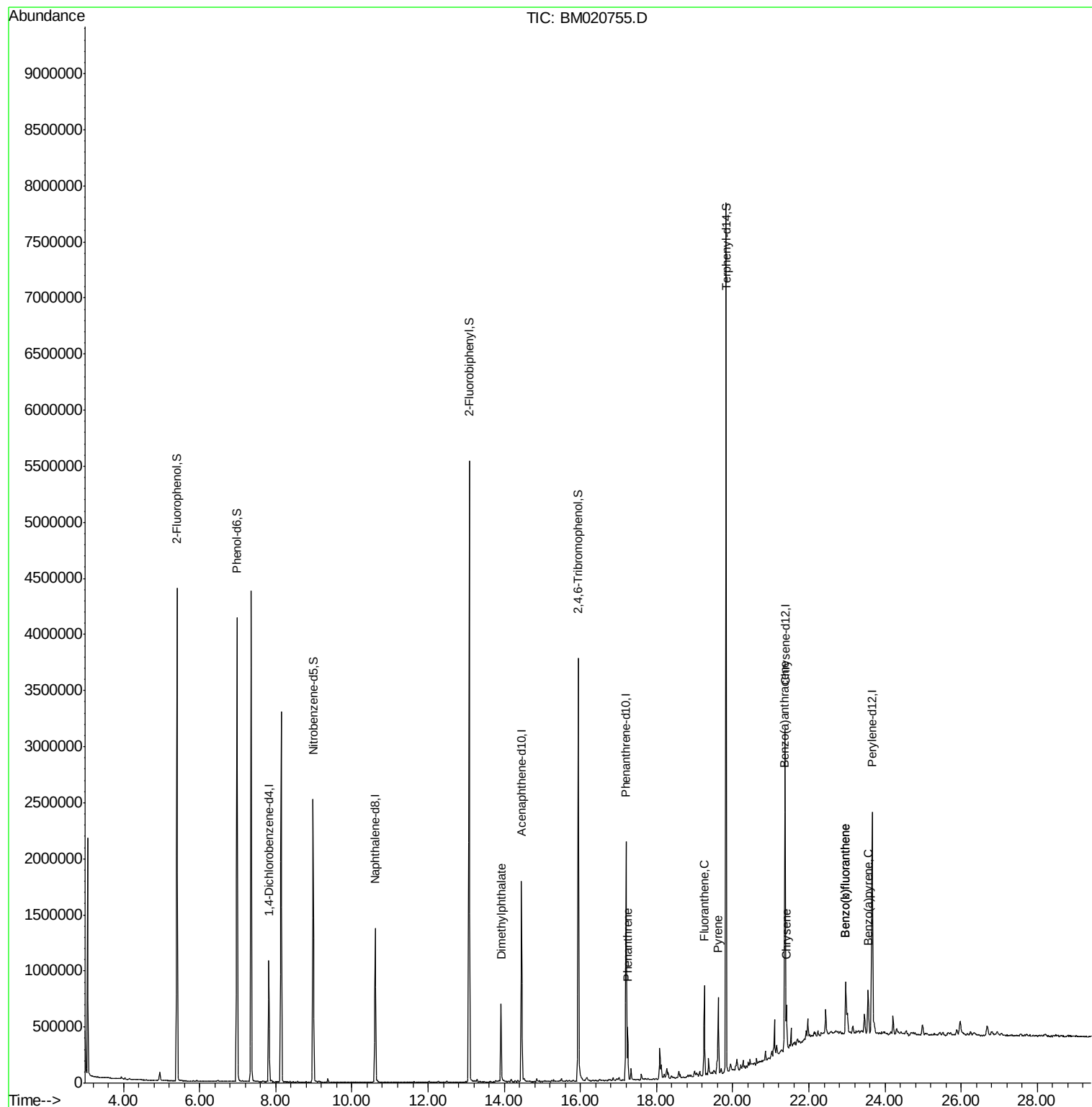
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	293168	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	1141284	20.00	ng	-0.02
39) Acenaphthene-d10	14.46	164	592092	20.00	ng	-0.02
64) Phenanthrene-d10	17.20	188	1227975	20.00	ng	-0.02
76) Chrysene-d12	21.37	240	1185487	20.00	ng	-0.02
87) Perylene-d12	23.66	264	1439562	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	1717761	103.07	ng	-0.01
7) Phenol-d6	6.98	99	2339258	95.32	ng	-0.01
23) Nitrobenzene-d5	8.98	82	1428098	64.83	ng	-0.02
42) 2,4,6-Tribromophenol	15.95	330	742128	101.16	ng	-0.02
45) 2-Fluorobiphenyl	13.08	172	2944281	66.11	ng	-0.01
79) Terphenyl-d14	19.82	244	3514510	49.59	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.98	77	6769	Below Cal		Qvalue # 13
50) Dimethylphthalate	13.92	163	479469	9.478	ng	100
71) Phenanthrene	17.25	178	285584	4.103	ng	99
75) Fluoranthene	19.26	202	464934	6.006	ng	99
78) Pyrene	19.62	202	409560	4.502	ng	99
81) Benzo(a)anthracene	21.36	228	251337	3.044	ng	99
83) Chrysene	21.41	228	206261	2.628	ng	99
88) Benzo(b)fluoranthene	22.97	252	269627	2.834	ng	95
89) Benzo(k)fluoranthene	22.97	252	267464	2.877	ng	95
90) Benzo(a)pyrene	23.56	252	191949	2.224	ng	99

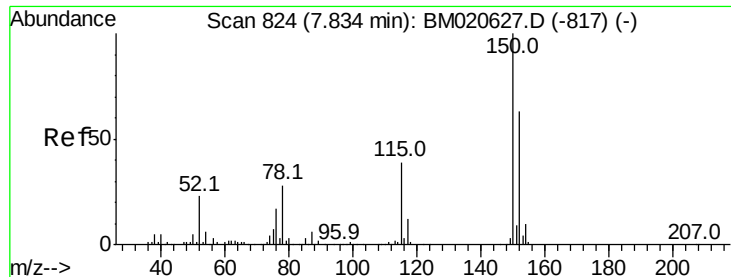
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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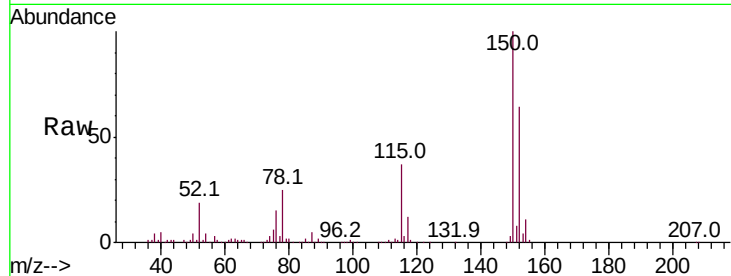


#1

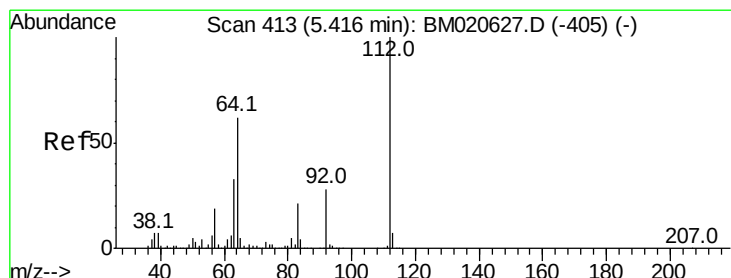
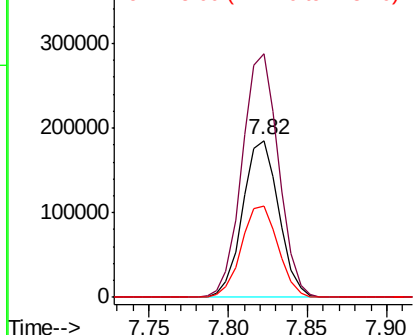
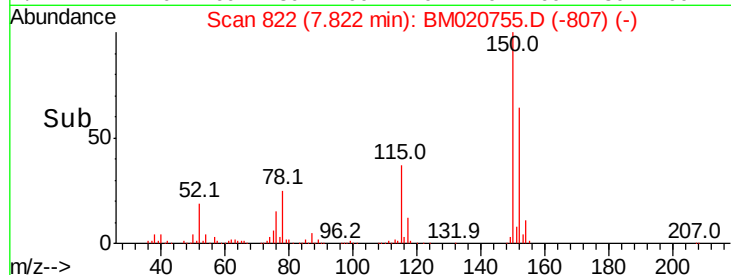
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 822
Delta R.T. -0.01 min
Lab File: BM020755.D
Acq: 06 Jun 2019 02:30

Instrument :
BNA_M
ClientSampled :
TP-3

Tot Ion:152 Resp: 293168
Ion Ratio Lower Upper
152 100
150 155.2 126.0 189.0
115 58.1 49.6 74.4



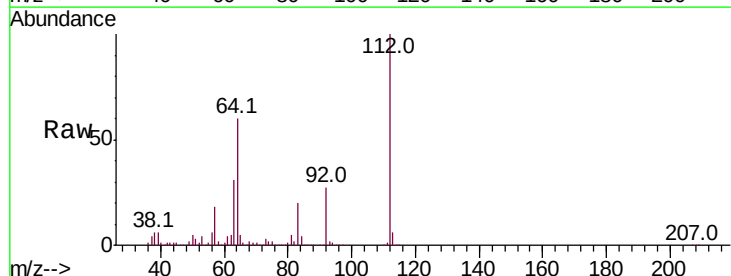
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



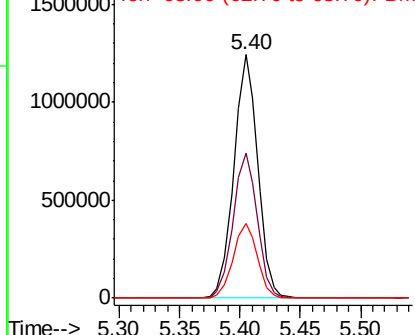
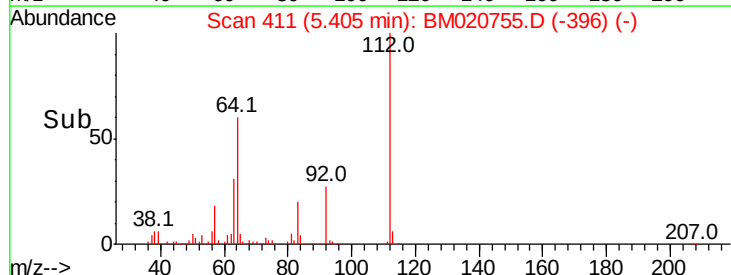
#5

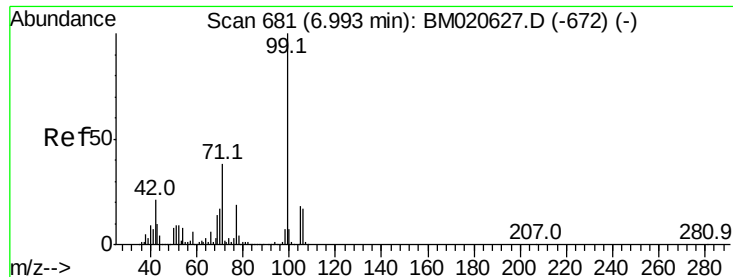
2-Fluorophenol
Concen: 103.069 ng
RT: 5.40 min Scan# 411
Delta R.T. -0.01 min
Lab File: BM020755.D
Acq: 06 Jun 2019 02:30

Tgt Ion:112 Resp: 1717761
Ion Ratio Lower Upper
112 100
64 59.5 49.7 74.5
63 30.8 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 95.323 ng

RT: 6.98 min Scan# 679

Delta R.T. -0.01 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Instrument :

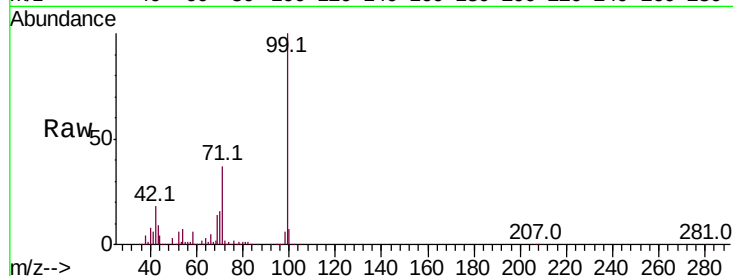
BNA_M

ClientSampleId :

TP-3

Tot Ion: 99 Resp: 2339258

Ion	Ratio	Lower	Upper
99	100		
42	18.5	16.5	24.7
71	37.0	30.7	46.1

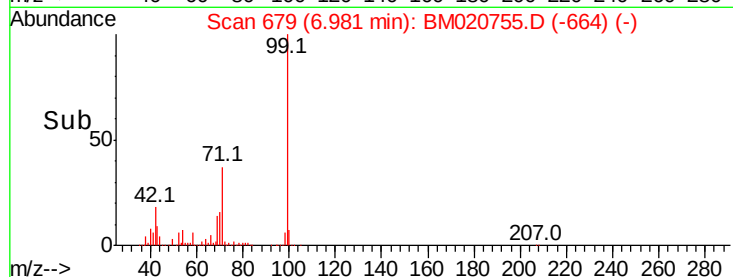


Abundance

Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0

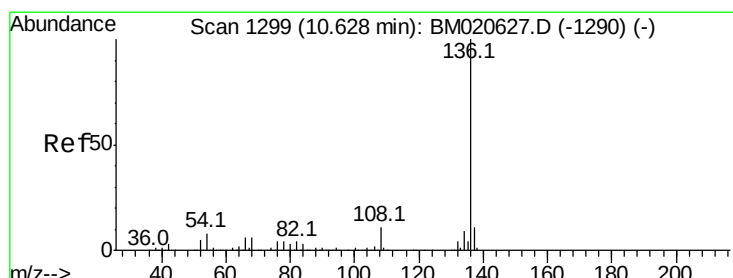


Abundance

Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

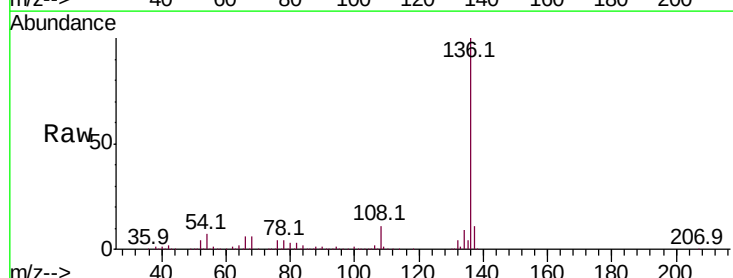
Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Tgt Ion: 136 Resp: 1141284

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	6.6	10.0
68	5.9	5.1	7.7



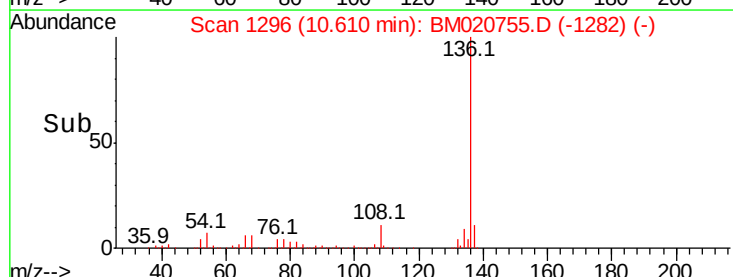
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0



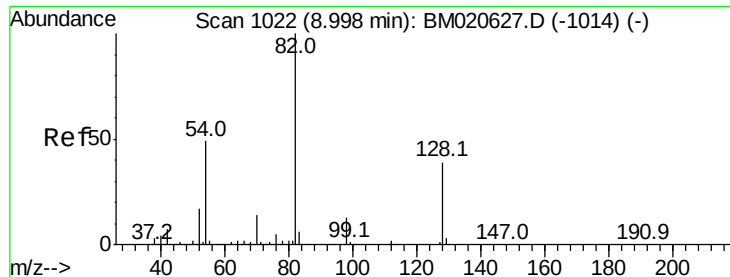
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

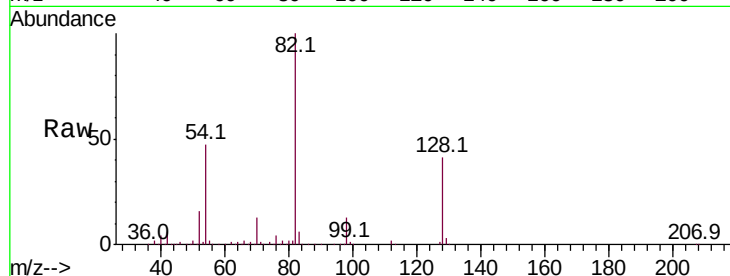
Ion 68.00 (67.70 to 68.70): BM0



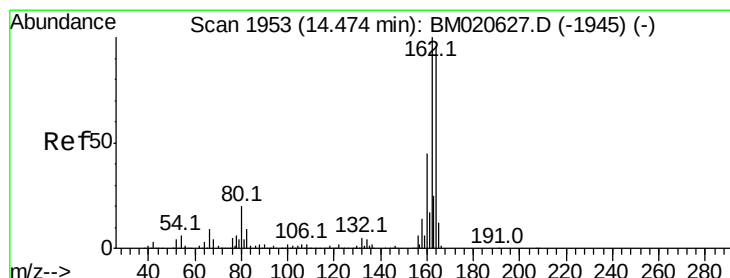
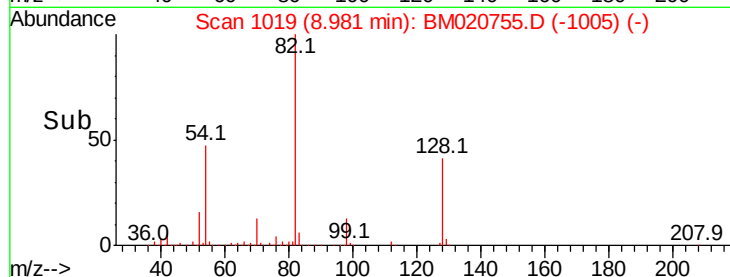
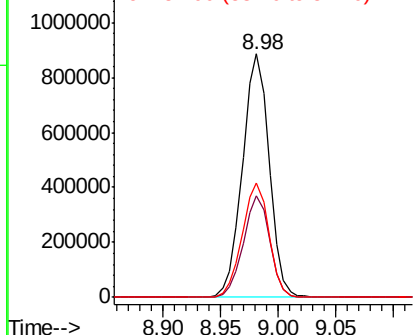
#23
Nitrobenzene-d5
Concen: 64.832 ng
RT: 8.98 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BM020755.D
Acq: 06 Jun 2019 02:30

Instrument :
BNA_M
ClientSampled :
TP-3

Tot Ion: 82 Resp: 1428098
Ion Ratio Lower Upper
82 100
128 41.5 31.5 47.3
54 46.9 39.4 59.0

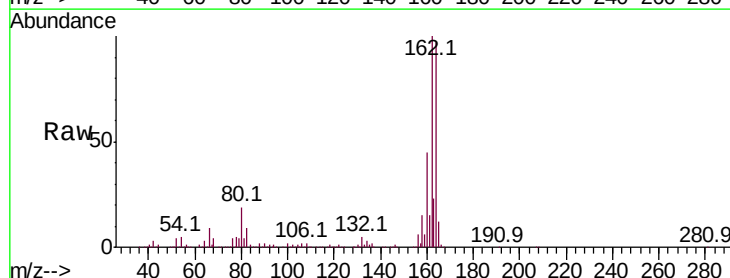


Abundance Ion 82.00 (81.70 to 82.70): BM020627.D (-1014) (-)
Ion 128.00 (127.70 to 128.70): BM020627.D (-1014) (-)
Ion 54.00 (53.70 to 54.70): BM020627.D (-1014) (-)

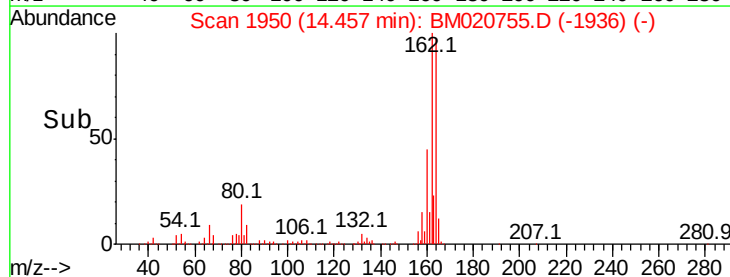
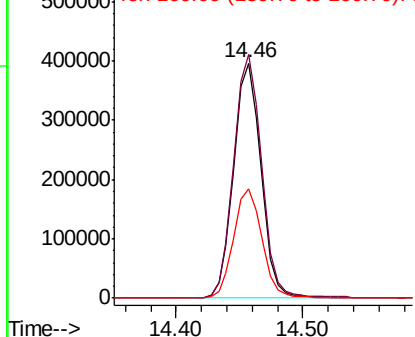


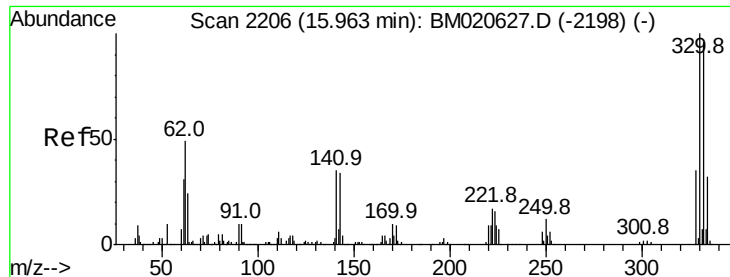
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1950
Delta R.T. -0.02 min
Lab File: BM020755.D
Acq: 06 Jun 2019 02:30

Tgt Ion:164 Resp: 592092
Ion Ratio Lower Upper
164 100
162 103.5 83.2 124.8
160 46.5 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): BM020627.D (-1945) (-)
Ion 162.00 (161.70 to 162.70): BM020627.D (-1945) (-)
Ion 160.00 (159.70 to 160.70): BM020627.D (-1945) (-)

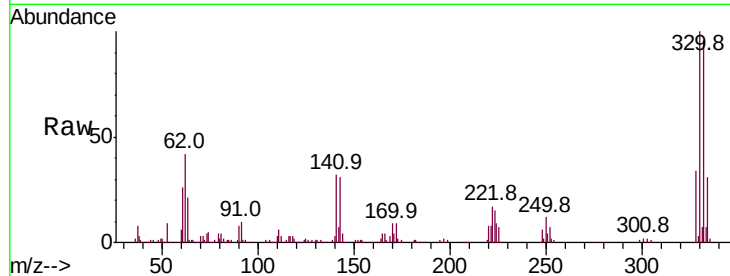




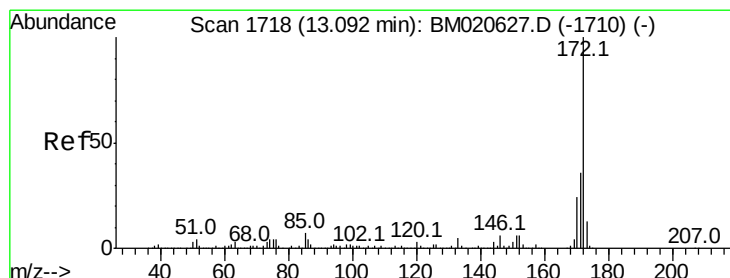
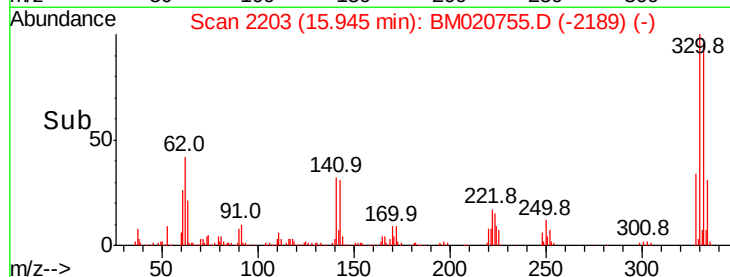
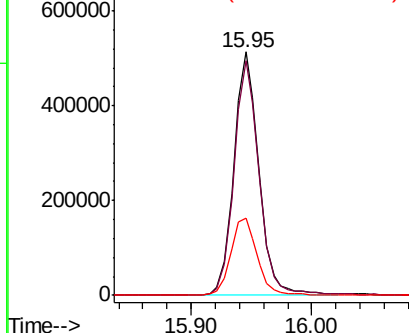
#42
 2,4,6-Tribromophenol
 Concen: 101.163 ng
 RT: 15.95 min Scan# 2203
 Delta R.T. -0.02 min
 Lab File: BM020755.D
 Acq: 06 Jun 2019 02:30

Instrument :
 BNA_M
 ClientSampleId :
 TP-3

Tot Ion:330 Resp: 742128
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.4 116.0
 141 33.7 30.4 45.6

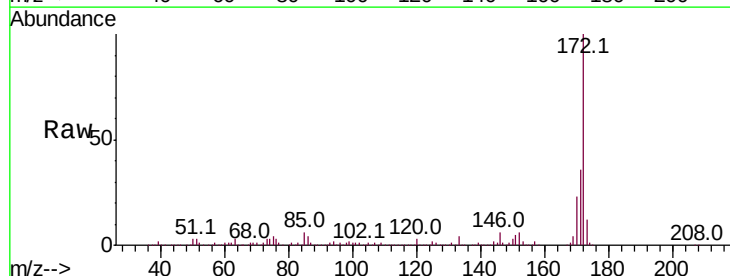


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

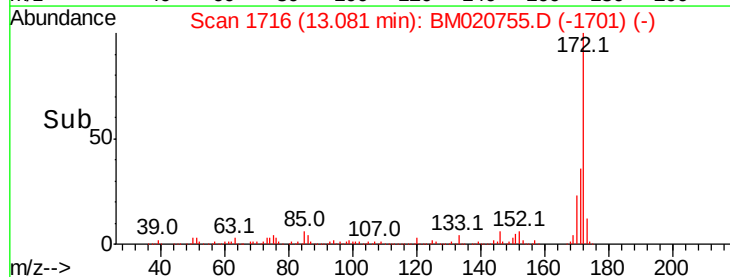
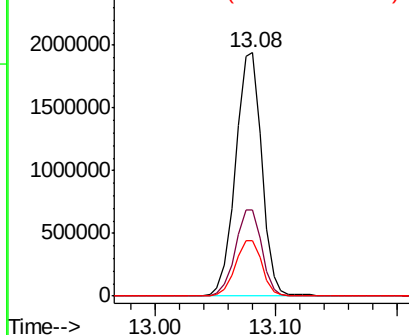


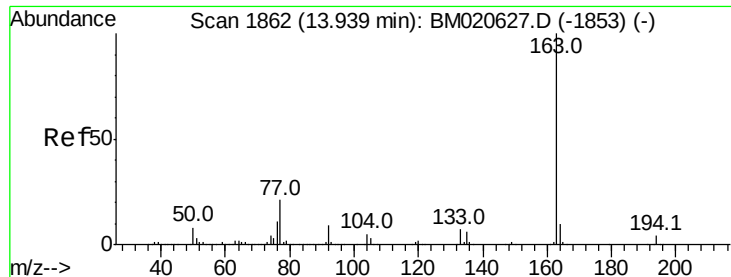
#45
 2-Fluorobiphenyl
 Concen: 66.109 ng
 RT: 13.08 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BM020755.D
 Acq: 06 Jun 2019 02:30

Tgt Ion:172 Resp: 2944281
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.6 43.0
 170 23.0 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 9.478 ng

RT: 13.92 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Instrument :

BNA_M

ClientSampleId :

TP-3

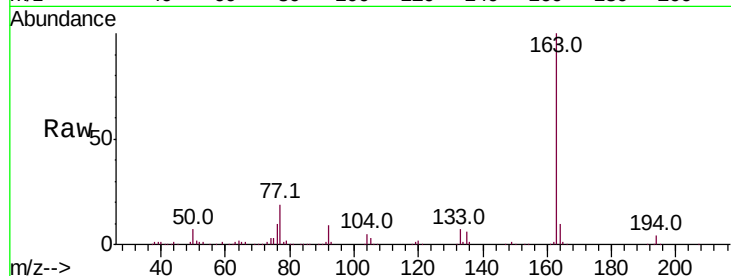
Tot Ion:163 Resp: 479469

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

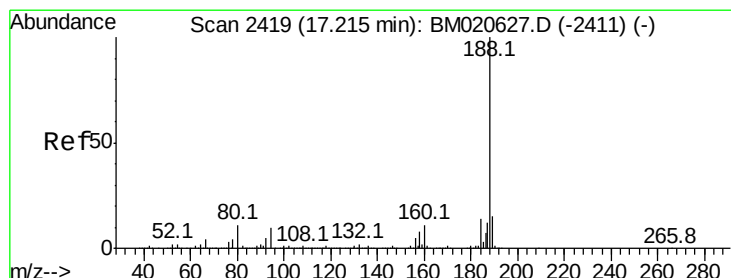
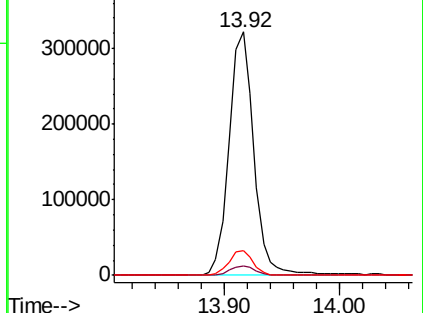
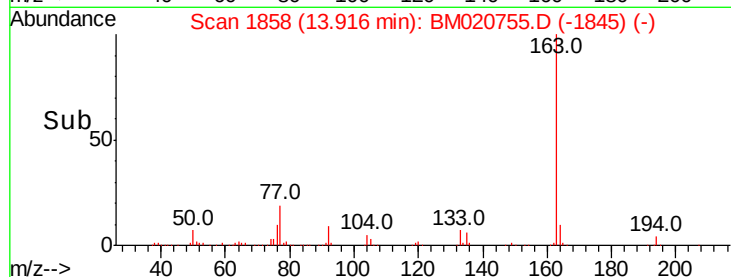
164 10.0 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.20 min Scan# 2416

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

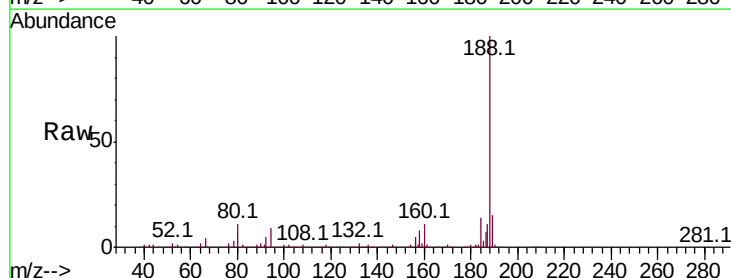
Tgt Ion:188 Resp: 1227975

Ion Ratio Lower Upper

188 100

94 9.2 7.8 11.8

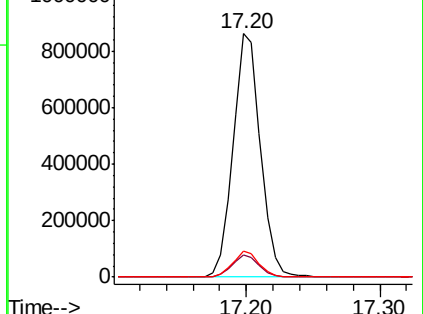
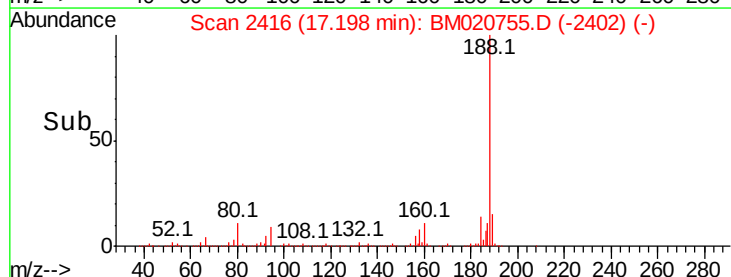
80 10.5 9.0 13.6

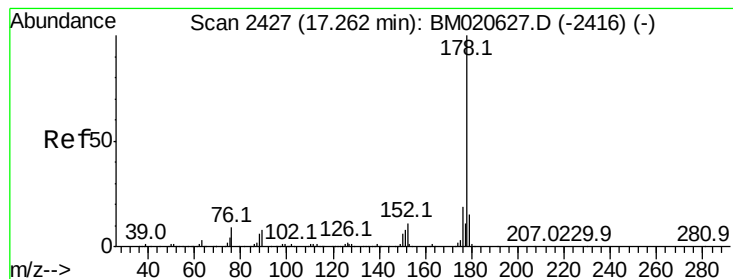


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 4.103 ng

RT: 17.25 min Scan# 2424

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Instrument :

BNA_M

ClientSampled :

TP-3

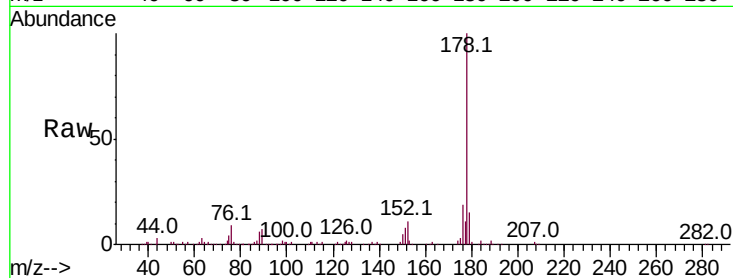
Tot Ion:178 Resp: 285584

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

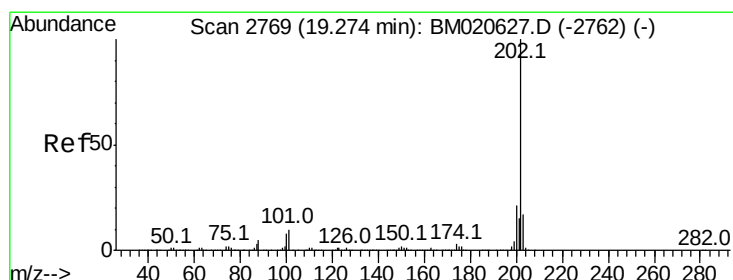
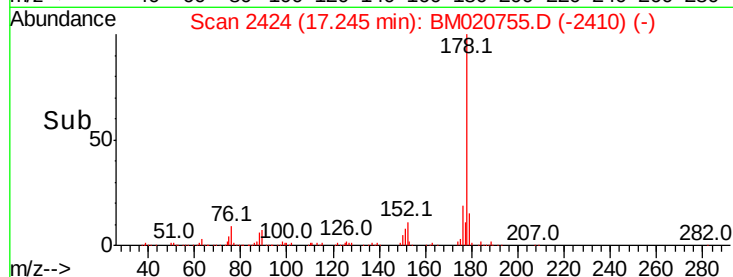
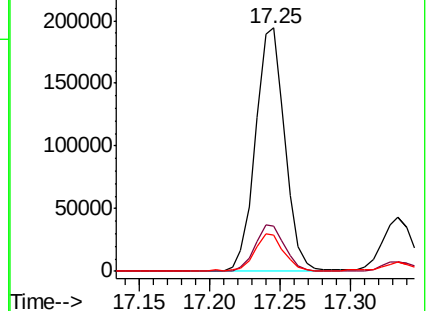
179 14.7 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.006 ng

RT: 19.26 min Scan# 2766

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

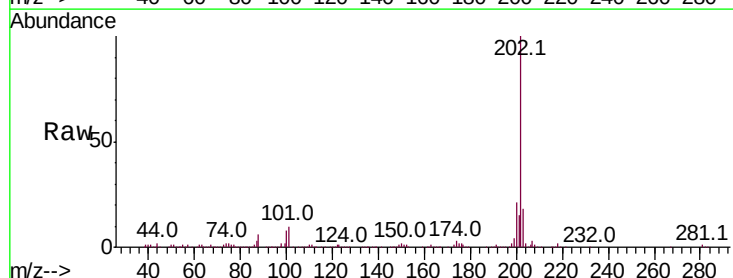
Tgt Ion:202 Resp: 464934

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.4

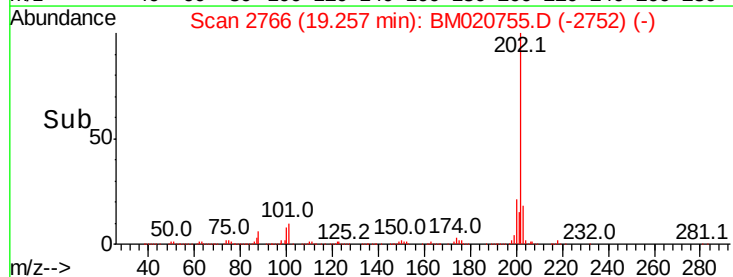
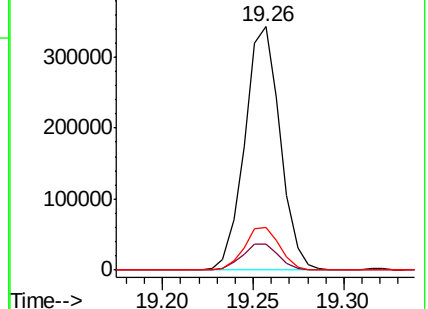
203 17.6 0.0 37.3

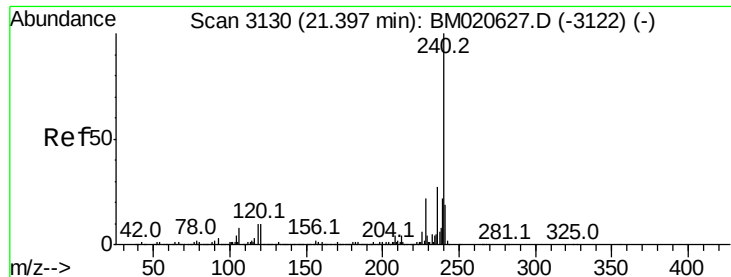


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.37 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Instrument :

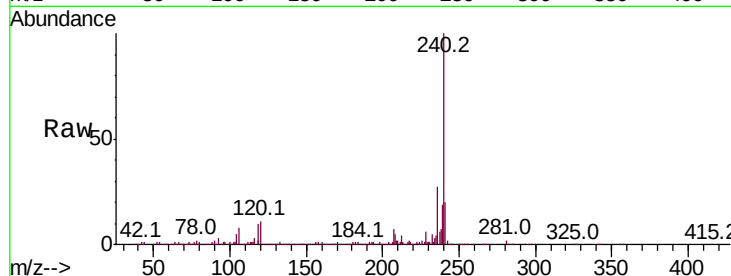
BNA_M

ClientSampleId :

TP-3

Tot Ion:240 Resp: 1185487

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	26.9	21.2	31.8

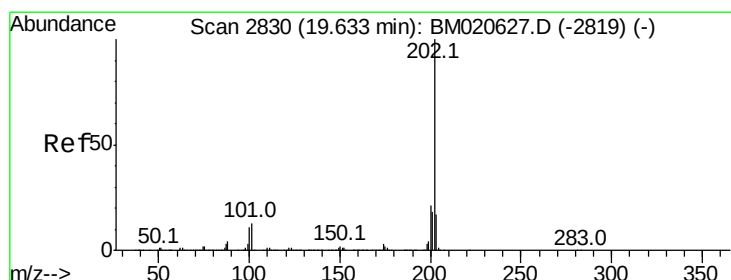
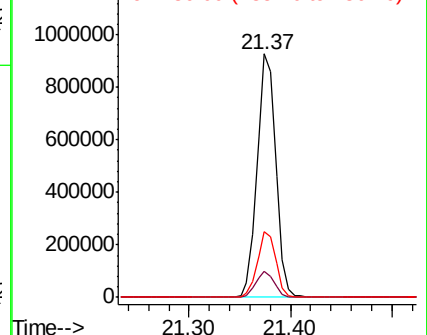
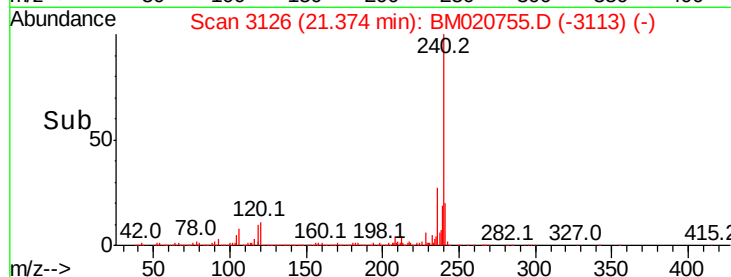


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 4.502 ng

RT: 19.62 min Scan# 2827

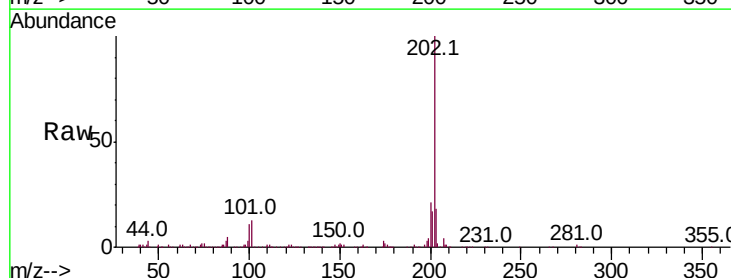
Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Tgt Ion:202 Resp: 409560

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	18.1	13.9	20.9

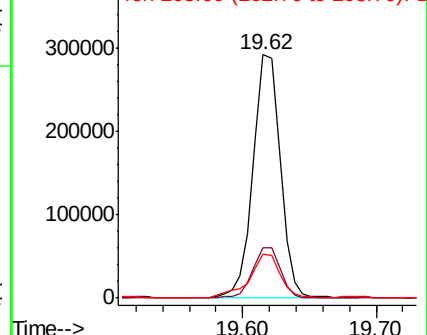
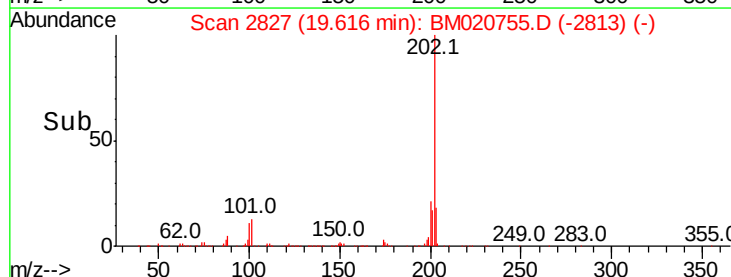


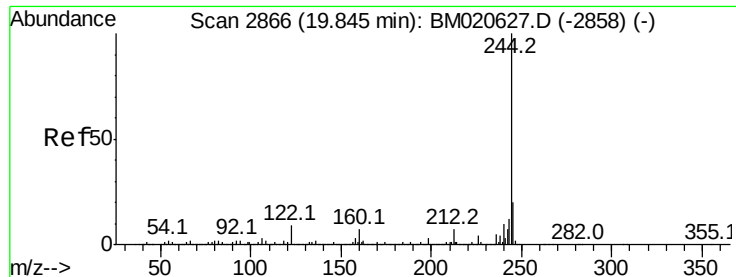
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

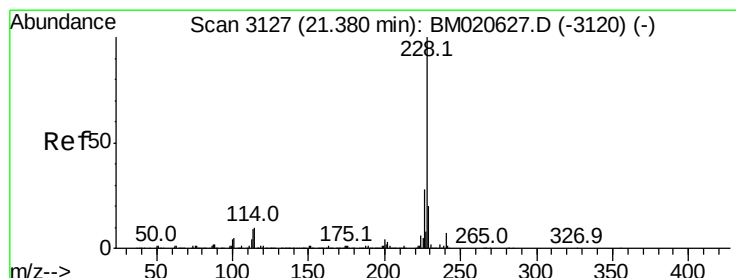
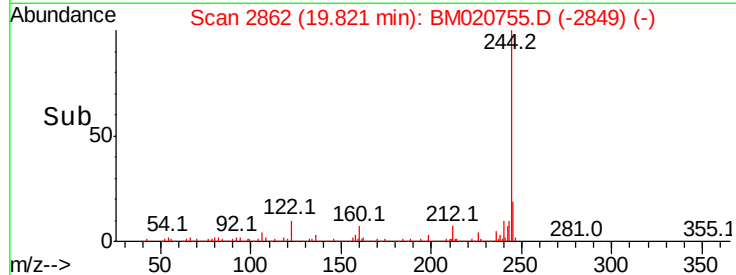
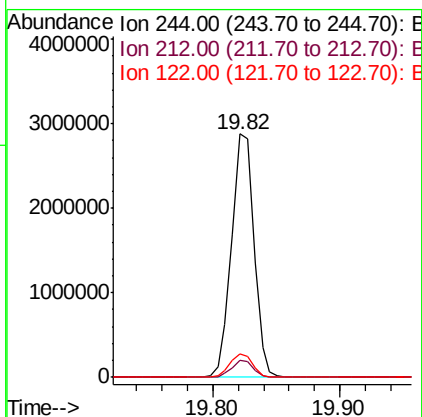
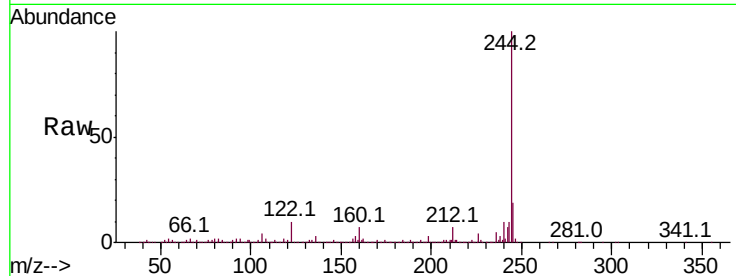




#79
 Terphenyl-d14
 Concen: 49.588 ng
 RT: 19.82 min Scan# 2862
 Delta R.T. -0.02 min
 Lab File: BM020755.D
 Acq: 06 Jun 2019 02:30

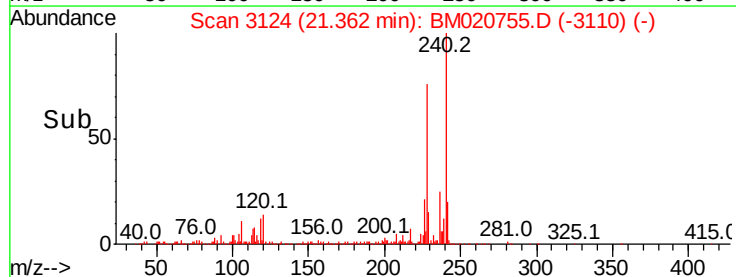
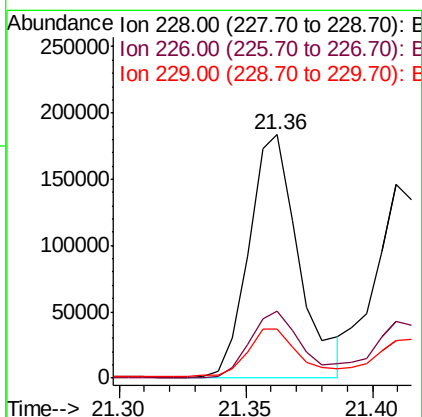
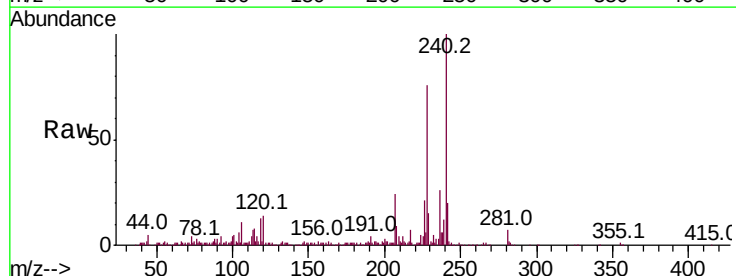
Instrument :
 BNA_M
 ClientSampleId :
 TP-3

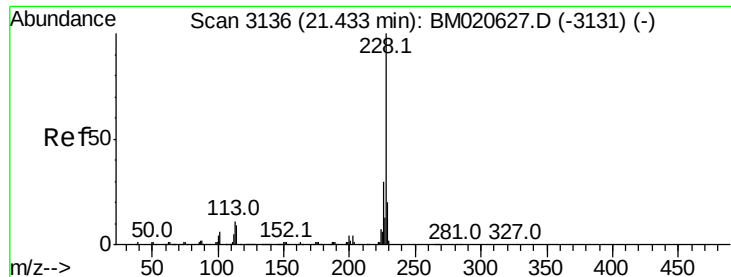
Tot Ion:244 Resp: 3514510
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.7 8.5
 122 9.7 7.2 10.8



#81
 Benzo(a)anthracene
 Concen: 3.044 ng
 RT: 21.36 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BM020755.D
 Acq: 06 Jun 2019 02:30

Tgt Ion:228 Resp: 251337
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.3 33.5
 229 20.4 15.9 23.9





#83

Chrysene

Concen: 2.628 ng

RT: 21.41 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Instrument :

BNA_M

ClientSampled :

TP-3

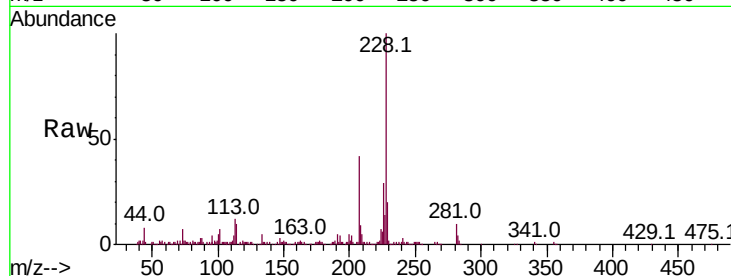
Tot Ion:228 Resp: 206261

Ion Ratio Lower Upper

228 100

226 29.2 24.2 36.2

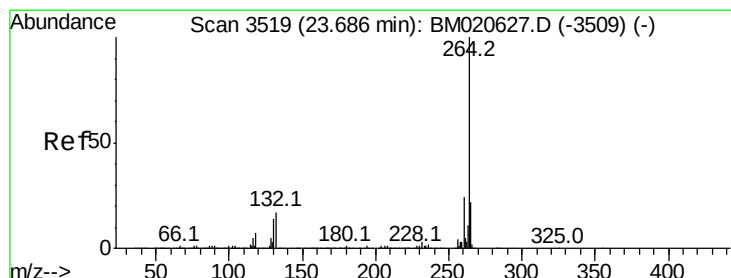
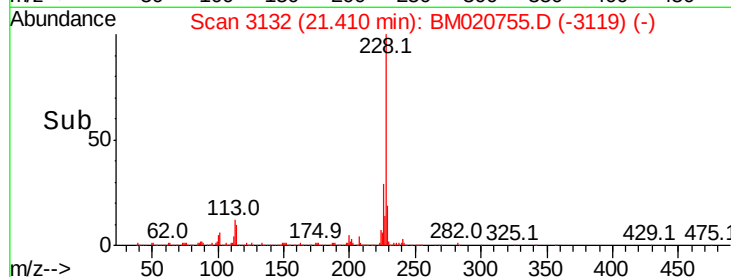
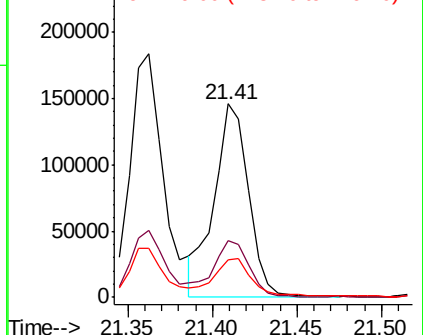
229 19.7 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.66 min Scan# 3515

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

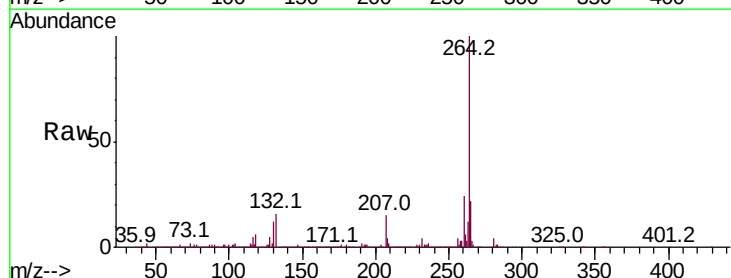
Tgt Ion:264 Resp: 1439562

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

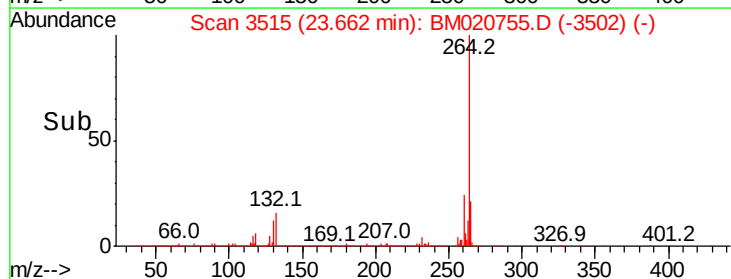
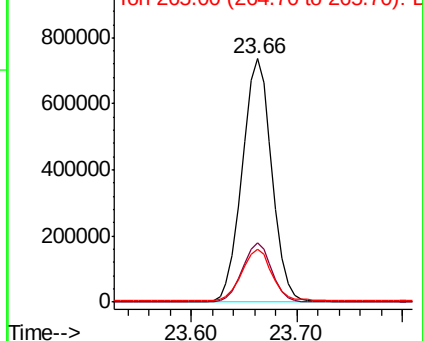
265 21.9 17.6 26.4

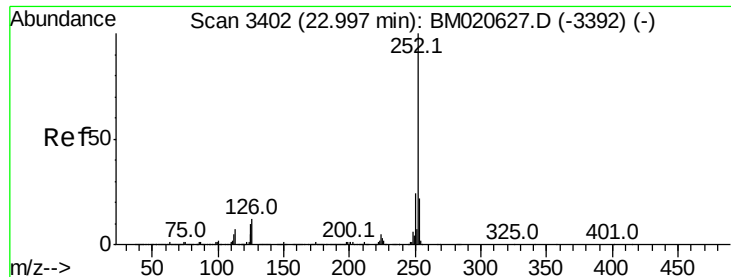


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.834 ng

RT: 22.97 min Scan# 3398

Delta R.T. -0.02 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

Instrument :

BNA_M

ClientSampleId :

TP-3

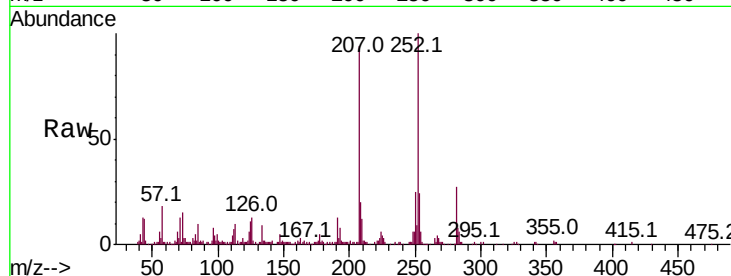
Tot Ion:252 Resp: 269627

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

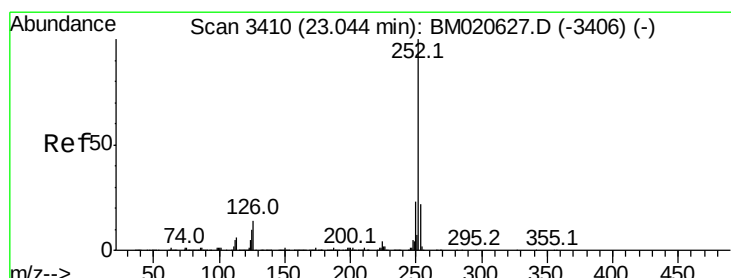
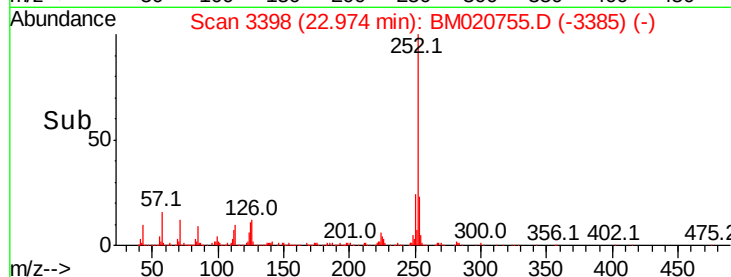
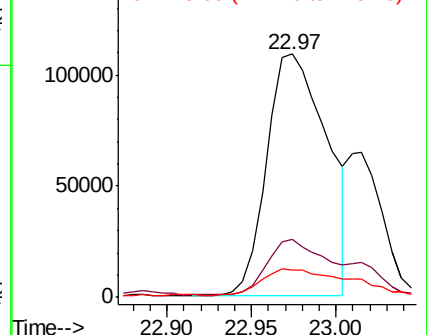
125 11.4 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

150000 Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.877 ng

RT: 22.97 min Scan# 3398

Delta R.T. -0.07 min

Lab File: BM020755.D

Acq: 06 Jun 2019 02:30

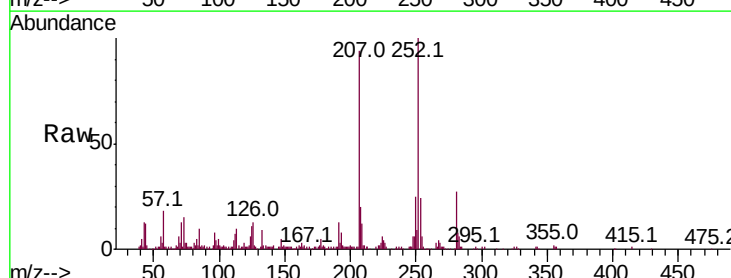
Tgt Ion:252 Resp: 267464

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.2

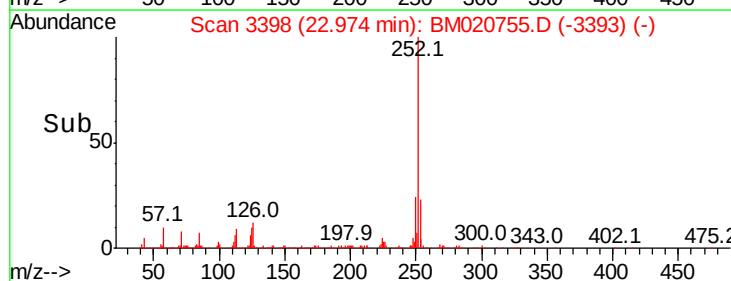
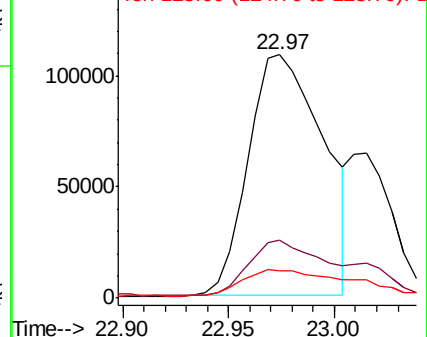
125 11.4 7.8 11.8

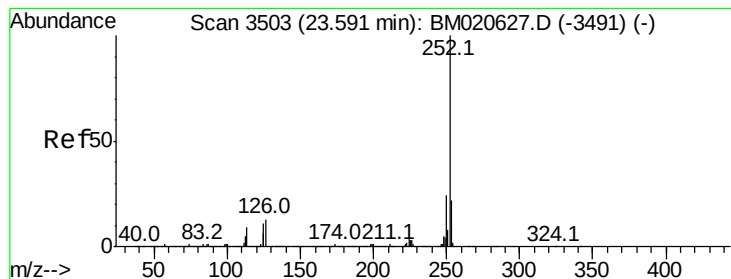


Abundance Ion 252.00 (251.70 to 252.70): E

150000 Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90
 Benzo(a)pyrene
 Concen: 2.224 ng
 RT: 23.56 min Scan# 3497
 Delta R.T. -0.04 min
 Lab File: BM020755.D
 Acq: 06 Jun 2019 02:30

Instrument :
 BNA_M
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.7	8.6	13.0

